

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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APPLICANT : NIPPON SHEET GLASS CO LTD;

INVENTOR : MIZUNO TOSHIAKI;

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TITLE : PRODUCTION OF PLATE-GLASS PRODUCT

ABSTRACT : PURPOSE: To easily and effectively obtain a plate glass without deformation such as warpage at the time of producing the plate glass from a raw soln. contg. an organometallic compd. by the sol-gel method means of pressing the gel in the sintering stage.

CONSTITUTION: The plate glass is produced from a soln. contg. an organometallic compd. such as methyl orthosilicate by the sol-gel method. In this case, the gel is pressed between the pressing surfaces of two pressers when the gel is sintered to obtain the plate-glass product free of warpage. The pressure for pressing is preferably controlled to  $1\times 10^2$  to  $1\times 10^4$ Pa, and the pressing time is preferably controlled to 5 to 24hr. In addition, the temp. when the pressure is exerted is preferably controlled to a temp. 500°C lower than the optimum maximum temp. in the sintering stage. The plate surface is most conveniently pressed by placing a refractory weight such as firebrick on the gel.

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